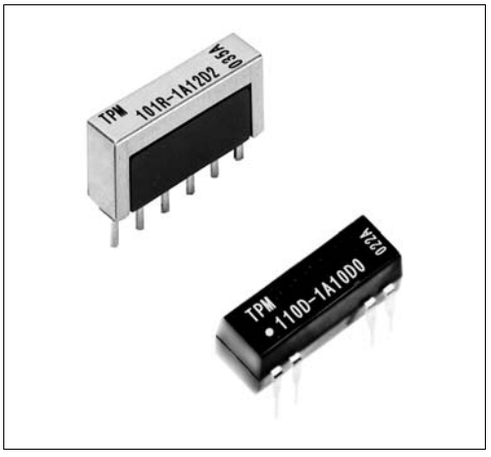
查询101R-1A12D2供应商

DB LECTRO INC
COMPOSANTS ÉLECTRONIQUES
ELECTRONIC COMPONENTS

SIP,DIP Reed Relays



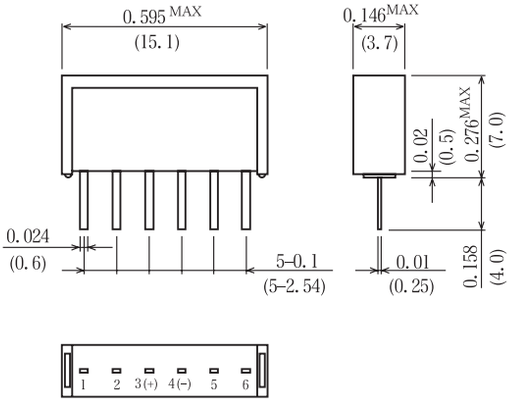
The 100 Series is the standard series for SIP and DIP relays. This product line comes in 1 Form A, 2 form A and 1 form C arrangements.

- Standard SIP and DIP relays IC pitches
- Internal lead-frame design
- High speed operating
- High reliability and long life
- Electric magnetic shield available

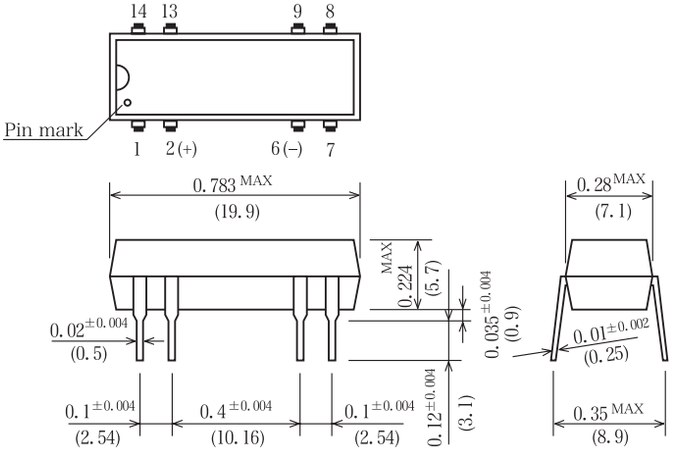
Mechanical Dimensions

All dimensions are measured in inches (millimeters).

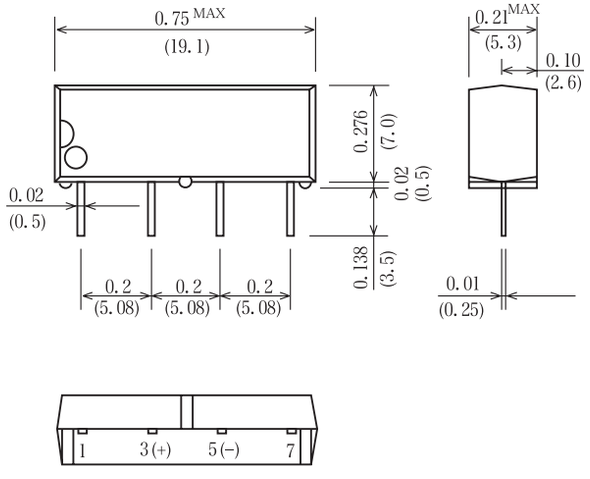
101R-1A□2(N,D)2



110A-1A□0D0
110D-2A□0D0
110D-1C□0D0

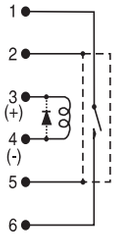
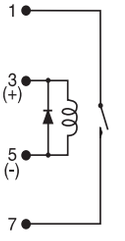
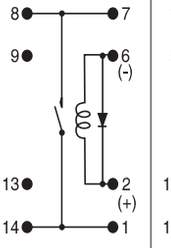
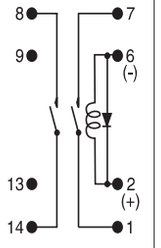
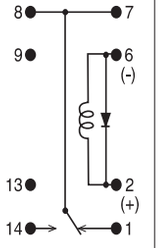


102D-1A□0D0



DB LECTRO INC
COMPOSANTS ÉLECTRONIQUES
ELECTRONIC COMPONENTS

101R,102D,110D Series

			SIP				DIP								
			Model Number		Model Number		Model Number			Model Number			Model Number		
			101R-1A□2□2		102D-1A□0D0		110D-1A□0D0			110D-2A□0D0			110D-1C□0D0		
Parameters	Test Condition	Units	1 Form A		1 Form A		1Form A			2 Form A			1 Form C		
Coil Specs															
Nominal coil voltage		VDC	5	12	5	12	5	12	24	5	12	24	5	12	24
Coil resistance	±10% at20°C	Ω	375	600	500	1000	500	1000	2150	140	500	2150	200	500	2150
Operating voltage	15°C～35°C	VDC Max	4.0	9.6	3.75	9.0	3.75	9.6	19.2	3.75	9.6	18.0	3.75	9.6	18.0
Release voltage	15°C～35°C	VDC Min	0.7	1.2	0.8	1.0	0.7	1.2	2.4	0.7	1.2	2.4	0.7	1.2	2.4
Contact Ratings															
Switching voltage	Max. DC/Peak AC resistance	Volts	200		100								30		
Switching current	Max. DC/Peak AC resistance	Amps	0.5		0.5								0.2		
Carry current	Max. DC/Peak AC resistance	Amps	1.2		1.0								0.5		
Contact rating	Max. DC/Peak AC resistance	Watts	10		10								3		
Life expectancy	1V. 10mA	$\times 10^6$Cyc	1500		1000								50		
Contact resistance	Maximum initial	mΩ	150		150								150		
Contact resistance stability	Maximum initial	mΩ	5.0		5.0								5.0		
Relay Specifications															
Insulation resistance	Between all isolated pins at 100V 20°C 40%RH	Ω	10^{12}		10^{10}		10^{10}						10^{10}		
Capacitance		pF-Max													
Across open contacts	Shield guarding														
Contact to Shield	Contacts open, Shield floating														
Open contact to coil	Shield guarding														
Dielectric strength	Between contacts	VDC	200		200		200						200		
	Contacts to shield, coil		250		500		500						500		
Operating time (Including. bounce)	At nominal coil voltage, 100Hz Square wave	msec	0.5		1.0		1.0						2.0		
Release time	Diode suppression	msec	0.5		1.0		1.0						2.5		
Environmental Ratings Mesurement reference conditons Temp. : 15°C～35°C Humidity : 25%～85%RH Atmospheric pressure : 860～1060hPa Storage temp. : −40°C～+80°C Operating temp : −20°C～+60°C The operating and Release Voltage and the coil resistance are specified at 20°C. These values change approximately 0.4%/°C change in the ambient temperature. Vibration : 20Gs to 2000Hz Shock : 50Gs		Schematics Top view													

Notes :

(1) Values are specified with a resistive load being applied. A contact protective circuit is required for C and L Type loads.

(2) The values of the operating time and release time however, are when the rated coil voltage is applied and a clamp diode is attached.

(3) Model 101R-1A□2D2 : Diode is connected to pin 3 (+) and pin 4 (−).
Model 102D-1A□0D0 : Diode is connected to pin 3 (+) and pin 5 (−).
Model 110D Type : Diode is connected to pin 2 (+) and pin 6 (−).
Correct coil polarity must be followed.

ORDERING CODE

1 0 1 R − 1 A □ (3) 2 □ (4) 2

1 0 2 D − 1 A □ (3) 0 D 0

1 1 0 D − □ (1) □ (2) □ (3) 0 D 0

Example 101R-1A12D2 Represents Series 101R with 1Form A, Dry Reed (Ruthenium), Coil Voltage 5V, Coaxial Shield, Magnetic Shield and with Diode.

(1) Number of capsule
1-1 capsule
2-2 capsules

(2) Contact Form
A-Form A
C-Form C

(3) Coil Voltage
1-5VDC
2-12VDC
3-24VDC (101R, 102D N/A)

(4) Diode Options
N-No Diode
D-With Diode